## PAGE 215 \* RCVD AT 8115/2008 8:25:13 AM [Eastern Daylight Time] \* SVR:USPTO-EFXRF-6110 \* DNIS:2738300 \* CSID: \* DURATION (mm-ss):01-22

PTC/SB/96 (08-08)
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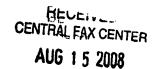
STATEMENT UNDER 37 CFR 3.73(b)	PECEIVED
Applicant/Patent Owner: Steven M. Amold and Nicholas Penney	HEVEIVED CENTRAL FAX CENT
Application No./Patent No.: 10/693,853 Filed/Issue Date: October 23, 2003	AUG 1 5 2008
Entitled: TORSIONAL MAGNETORHEOLOGICAL DEVICE .	MOO 1 3 2000
National Aemnautics and Space Administration , a Government Agency (Type of Assignee, e.g., corporation, partnership, university, government Agency (Type of Assignee, e.g., corporation, partnership, university, government Agency (Type of Assignee, e.g., corporation, partnership, university, government Agency (Type of Assignee, e.g., corporation, partnership, university, government Agency (Type of Assignee, e.g., corporation, partnership, university, government Agency (Type of Assignee, e.g., corporation, partnership, university, government Agency (Type of Assignee, e.g., corporation, partnership, university, government Agency (Type of Assignee, e.g., corporation, partnership, university, government Agency (Type of Assignee, e.g., corporation, partnership, university, government Agency (Type of Assignee, e.g., corporation, partnership, university, government Agency (Type of Assignee, e.g., corporation, partnership, university, government Agency (Type of Assignee, e.g., corporation, partnership, university, government Agency (Type of Assignee, e.g., corporation, partnership, university, government Agency (Type of Assignee, e.g., corporation, partnership, university, government Agency (Type of Assignee, e.g., corporation, partnership, university, government Agency (Type of Assignee, e.g., corporation, partnership, university, government Agency (Type of Assignee, e.g., corporation, partnership, university, government Agency (Type of Assignee, e.g., corporation, partnership, university, government Agency (Type of Assignee, e.g., corporation, e.g., co	emment agency, etc.)
states that it is:  1.  the assignee of the entire right, title, and interest; or	
2. an assignee of less than the entire right, title and interest (The extent (by percentage) of its ownership interest is%)	
in the patent application/patent identified above by virtue of either:	
A An assignment from the inventor(s) of the patent application/patent identified above. The assignment in the United States Patent and Trademark Office at Reel, Frame, or for thereof is attached.  OR	was recorded which a copy
B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current ass	signee as follows:
1. From: To:	
The document was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.	
To:     To:     The document was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.	
3. From:To:	
The document was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.	
Additional documents in the chain of title are listed on a supplemental sheet.	
As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original ow assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.	ner to the
[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO, 302.08]	Assignment See MPEP
The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.	
Raprice L. Harris 8/1	2/08
Signature D	ate
Kaprice Harris (216) 45	3-5754
Printed or Typed Name Telepho	ne Number
Legal Advisor Title	

This collection of information is required by 37 CFR 3,73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.









Patent Application
NASA Case No.<u>LEW 17.510-1</u>

## ASSIGNMENT and AGREEMENT

Title of Invention: Torsional Magnetorheological Device

Inventor(s): Nicholas Penney

NASA Case No.: LEW 17,510-1

Application No.\*: 10/693853

Application Filing Date\*: 10/23/03

WHEREAS, the parties to this Assignment and Agreement are the undersigned Inventor(s), and the United States Government (hereafter Government), as represented by the Administrator of the National Aeronautics and Space Administration, Washington, D.C. 20546;

WHEREAS, the undersigned Inventor(s) has (have) executed, in the date indicated below, an application for a United States Patent on the above-entitled Invention; and

WHEREAS, the Government is desirous of acquiring the entire right, title and interest in the above-entitled Invention and the executed application.

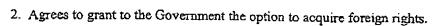
NOW THEREFORE, in consideration of the payment of royalties, pursuant to NASA Policy Directive, NPD 2092.1, Royalties and Other Payments Received by NASA from the Licensing of Patents and Patent Applications, that may result from licensing the above-entitled Invention, the undersigned hereby:

1. Assigns to the Government my (our) full and exclusive right in and to said Invention within the United States of America, its territories and possessions, and my (our) entire right, title and interest in and to said application, and any corresponding continuation or divisional application(s) and any patent(s) that may issue therefrom.

Assignment individual inventor to NASA July 1998

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- 3. Agrees, at the expense of the Government, (a) to execute any document for, (b) to deliver any requested information to, and (c) to cooperate in any manner with the Government in order to allow the Government to protect any interest transferred by this Assignment and Agreement.
- \*4. Authorizes and requests the attorneys of record in the application to insert the application number and filing date above when required.
- 5. Reserves a non-exclusive, non-transferable, license to make and use the above-entitled Invention embodied in said application, and any corresponding continuation or divisional application(s) and any patent(s) that may issue therefrom solely for the purpose of nonprofit academic research conducted by the undersigned.
- 6. Agrees to submit to the Office of Patent Counsel, NASA Glenn Research Center, a written report annually within thirty (30) days after the first day of January during the life of said application, and any corresponding continuation or divisional application(s) and any patent(s) that may issue therefrom, summarizing the making and using of the Invention, specifically including the purpose for which the Invention was made or used, the employment at the time, the funding agreement performed under, if any, and the results achieved by making and using the Invention.

Using the Invention

(0-23-03 (0-23-03)

(Signature of Inventor)

Date Date Application Executed

Nicholas Penney

(Inventor's Typed Name)

1195 Ravenna Road, Kent, Ohio, U.S.A. 44240

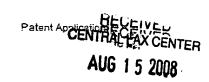
(Post Office Address - Including Country)

Assignment individual inventor to NASA July 1998

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## Assignment to the Government (by Government Employee)

Title of Invention:	Torsional Magnetorheological Device Steven M. Arnold				
Inventor(s):					
NASA Cese No.:	LEW 17,510-1	Application No.7:		Fäing Date*:	<u> </u>
WHEREAS, the par Government (hereat Administration;	ties to this Assignme fler Government), as	int and Agreement are to represented by the Adr	he undersigned Invent ninistrator of the Natio	or(s) and the United States nat Aeronautics and Space	
WHEREAS, the mal	king of this Assignme	ent and Agreement is in	accordance with 37 C	FR Part 501; and	
WHEREAS, the und States Patent on the	ersigned inventor(s) above-entitled inver	has (have) executed, or ntion.	n the date(s) indicated	below, an application for United	
1. Assign to the America, its territorie	Government my (ou is and possessions,	employment by the Gov- r) full and exclusive right and my (our) entire right application(s) and any p	t in and to said inventi- t, title and interest in a	on within the United States of	
min 37 CFR 501,9(d Sovemment choose: accordance with 37 ( rrevocable, royalty-fi	), including rights of s not to file an applic CFR 501.9(d), and si ree license in the inv	priority under the Internation in any foreign cour action in any foreign cour such rights will be subject	ational Convention of i htry, I (we) may reques to the reservation to t int licenses for all gove	d to said invention, in accordance Paris (1883), as amended. If the strights in that country, in the Government of a nonexclusive romental purposes. The terms on such invention.	
itormation to, and (c	expense of the Gove b) to cooperate in any y this Assignment ar	omment, (a) to execute a y manner with the Gover nd Agreement.	any document for, (b) t imment in order to allow	o deliver any requested v the Government to protect any	
*4. Authorize and bove when required	request the attorney		_	ication number and filing date	
Signature of Inventor)	7		0-23-03 Assignment Executed)	(Data Application Executed)	
_			-	-	
Steven M. Amold Inventor's Typed Name	<del>)</del>	(Mailing Address	igy Dr., Bath, Ohio ,i - Induding Country)	J.S.A. 44333	-
Signature of Inventor)	<del></del> -	(Date A	Assignment Executed)	(Date Application Executed)	_
Inventor's Typed Name	)	(Mailing Address	- Including Country)		-
Signature of Inventor)	···	(Date 4	Sent to Address	These andiretton Everytedti ee using Express Mailing	- Yah
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